

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	29	("3502466" "4369068" "4575805" "4663720" "4689197" "4717341" "472436" "4776704" "4828495" "4894012" "4937928" "4980124" "5062798" "5342201" "5378154" "5452219" "5507981" "5653791" "5775912" "5910273" "5944884" "5968856" "6028672" "6186790" "6200136" "6455451" "6517623" "6613273").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 14:24
S2	1	10/693,731	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 14:25
S3	2	"6689202"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 14:29
S4	6233	((106/35) or (433/48) or (501/88, 98.1, 96.1, 97.1, 103, 133, 108, 127)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 14:30
S5	4760	(501/88, 98.1, 96.1, 97.1, 103, 133, 108, 127).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 10:00
S6	1499	((106/35) or (433/48)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 17:50
S7	43	("4530884" "4481036" "4455383" "4515634" "4551099" "4828117" "4557691" "4639218" "53144334" "5176747" "5180427" "5288232" "5614330" "5653791" "5775912" "5944884" "6087282" "6022819" "6086662" "6090194" "6133174" "6030209" "6155830" "6413660" "6322728" "6206958" "6354836" "6455451" "6375729" "6428614" "6660073" "6517623" "6648645" "6533969" "6568936" "6554615" "6689202" "6821462" "6994549" "7011522" "6808659" "6645285" "6761760" "6802894").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 17:53
S8	13	S7 and (flexure flexural flexoral flexing flex)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 17:57
S9	8	S7 and theoretical adj density	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 17:57
S10	4760	(501/88, 98.1, 96.1, 97.1, 103, 133, 108, 127).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 10:00

## EAST Search History

S11	1544	S10 and (porous porosity theoretical adj density) and (strength flexure adj strength flexural adj strength)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 10:01
S12	1398	S10 and (porous porosity percent with theoretical adj density) and (strength flexure adj strength flexural adj strength)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 10:01
S13	1544	S10 and (porous porosity theoretical adj density) and (strength flexure adj strength flexural adj strength)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 10:01
S14	152	S10 and (porous porosity theoretical adj density) and (strength flexure adj strength flexural adj strength) and partial\$7 with sinter\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 10:02
S15	282	S10 and partial\$7 with sinter\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 10:02

Quick Search:  within  All Full-text Sources  [Search Tips](#)

results 1 - 68

## 68 Articles Found

pub-date &gt; 1913 and FULL-TEXT(theoretical density) and FULL-TEXT(flexure strength)

[Edit Search](#) | [Save Search](#) | [Save as Search Alert](#) [Search Within Results](#)[Article List](#) [Partial Abstracts](#) [Full Abstracts](#)  Sort By:  

1.  **High strength TiC matrix Fe28Al toughened composites prepared by spontaneous melt infiltration • ARTICLE**

*Journal of the European Ceramic Society, In Press, Corrected Proof, Available online 2 March 2006,*  
M.X. Gao, Y. Pan, F.J. Oliveira, J.L. Baptista and J.M. Vieira  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(414 K\)](#)

2.  **Combustion synthesis and compaction of Si<sub>3</sub>N<sub>4</sub>-TiN composite powder • ARTICLE**

*Ceramics International, In Press, Corrected Proof, Available online 6 January 2006,*  
Kh.V. Manukyan, S.L. Kharatyan, G. Blugan and J. Kuebler  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(489 K\)](#)

3.  **Increased high temperature strength and oxidation resistance of Al<sub>4</sub>SiC<sub>4</sub> ceramics • ARTICLE**

*Journal of the European Ceramic Society, Volume 26, Issue 7, 2006, Pages 1281-1286*  
G.W. Wen and X.X. Huang  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(313 K\)](#)

4.  **Fabrication of net shape reaction bonded oxide ceramics • ARTICLE**

*Journal of the European Ceramic Society, Volume 26, Issues 4-5, 2006, Pages 697-702*  
H. Geßwein, J.R. Binder, H.-J. Ritzhaupt-Kleissl and J. Haußelt  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(462 K\)](#)

5.  **Microstructure and properties of Al<sub>2</sub>O<sub>3</sub>-TiC nanocomposites fabricated by spark plasma sintering from high-energy ball milled reactants • ARTICLE**

*Journal of the European Ceramic Society, In Press, Corrected Proof, Available online 24 October 2005,*  
Yanfeng Zhang, Lianjun Wang, Wan Jiang, Lidong Chen and Guangzhao Bai  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(379 K\)](#)

6.  **Microstructure and mechanical properties of silicon nitride ceramics prepared by pressureless sintering with MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> as sintering additive • ARTICLE**

*Journal of the European Ceramic Society, Volume 25, Issue 14, September 2005, Pages 3353-3359*  
Xue-Jian Liu, Zhi-Yong Huang, Qi-Ming Ge, Xing-Wei Sun and Li-Ping Huang  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(582 K\)](#)

7.  **Specific properties and fracture toughness of syntactic foam: Effect of foam microstructures • ARTICLE**

*Composites Science and Technology, Volume 65, Issues 11-12, September 2005, Pages 1840-1850*  
Erwin M. Wouterson, Freddy Y.C. Boey, Xiao Hu and Shing-Chung Wong  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(584 K\)](#)

Quick Search:  within  Go 

results 1 - 18

## 18 Articles Found

pub-date &gt; 1913 and TITLE-ABSTR-KEY(partial sintering)

[Edit Search](#) | [Save Search](#) | [Save as Search Alert](#)[Article List](#) [Partial Abstracts](#) [Full Abstracts](#)  Sort By:   Go

1.  **Nanostructured and conventional YSZ coatings deposited using APS and TTPR techniques • ARTICLE**

*Surface and Coatings Technology*, In Press, Corrected Proof, Available online 28 December 2005,  
O. Racek, C.C. Berndt, D.N. Guru and J. Heberlein  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(1644 K\)](#)

2.  **Influence of the manufacturing process on the crystallization behavior of a CZS glass system • ARTICLE**

*Journal of Non-Crystalline Solids*, Volume 351, Issues 30-32, 1 September 2005, Pages 2537-2546  
Giovanni Bolelli, Luca Lusvarghi, Tiziano Manfredini and Cristina Siligardi  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(708 K\)](#)

3.  **Synthesis of p-aminophenol from p-nitrophenol over nano-sized nickel catalysts • ARTICLE**

*Applied Catalysis A: General*, Volume 277, Issues 1-2, 8 December 2004, Pages 259-264  
Yan Du, Hongling Chen, Rizhi Chen and Nanping Xu  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(269 K\)](#)

4.  **Elevated temperature mechanical properties of partially sintered alumina • ARTICLE**

*Composites Science and Technology*, Volume 64, Issues 10-11, August 2004, Pages 1551-1563  
Vincent H. Hammond and Dana M. Elzey  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(504 K\)](#)

5.  **CO<sub>2</sub> reforming of methane as a source of hydrogen using a membrane reactor • ARTICLE**

*Applied Catalysis A: General*, Volume 245, Issue 2, 10 June 2003, Pages 383-395  
J. Múnera, S. Irusta, L. Cornaglia and E. Lombardo  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(290 K\)](#)

6.  **Electrophoretically Al-coated wire mesh and its application for catalytic oxidation of 1,2-dichlorobenzene • ARTICLE**

*Surface and Coatings Technology*, Volume 168, Issues 2-3, 22 May 2003, Pages 103-110  
Kyung Shik Yang, Zhidong Jiang and Jong Shik Chung  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(884 K\)](#)

7.  **The effects of starting precursors on the carbothermal synthesis of SiC powders • ARTICLE**

*Ceramics International*, Volume 29, Issue 1, 2003, Pages 69-75  
Yung-Jen Lin and Chia-Ping Tsang  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(275 K\)](#)

8.  **Ni-YSZ cermet anodes prepared by citrate/nitrate combustion synthesis • ARTICLE**

Quick Search:  within  All Full-text Sources  [Search Tips](#)

results 1 - 15

## 15 Articles Found

pub-date &gt; 1913 and TITLE-ABSTR-KEY(density) and TITLE-ABSTR-KEY(flexure strength)

[Edit Search](#) | [Save Search](#) | [Save as Search Alert](#) [Search Within Results](#)[Article List](#) [Partial Abstracts](#) [Full Abstracts](#)  Sort By:  

1.  **Tubule orientation and the fatigue strength of human dentin • ARTICLE**  
*Biomaterials, Volume 27, Issue 9, March 2006, Pages 2131-2140*  
Dwayne D. Arola and Robert K. Reprogl  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(648 K\)](#)
2.  **Microstructure and properties of Al<sub>2</sub>O<sub>3</sub>-TiC nanocomposites fabricated by spark plasma sintering from high-energy ball milled reactants • ARTICLE**  
*Journal of the European Ceramic Society, In Press, Corrected Proof, Available online 24 October 2005,*  
Yanfeng Zhang, Lianjun Wang, Wan Jiang, Lidong Chen and Guangzhao Bai  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(379 K\)](#)
3.  **The reliability of standardized flexure strength testing procedures for a light-activated resin-based composite • ARTICLE**  
*Dental Materials, Volume 21, Issue 10, October 2005, Pages 911-919*  
W.M. Palin, G.J.P. Fleming and P.M. Marquis  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(145 K\)](#)
4.  **Mechanical behavior of zirconia/alumina composites • ARTICLE**  
*Ceramics International, Volume 31, Issue 1, 2005, Pages 39-46*  
S. R. Choi and N. P. Bansal  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(531 K\)](#)
5.  **Mechanical properties of nickel manganites-based ceramics used as negative temperature coefficient thermistors (NTC) • ARTICLE**  
*Materials Research Bulletin, Volume 39, Issue 12, 4 October 2004, Pages 1957-1965*  
Sophie Guillemet-Fritsch, Jaouad Salmi, Joseph Sarrias, Abel Rousset, Sophie Schuurman and André Lannoo  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(273 K\)](#)
6.  **Elevated temperature mechanical properties of partially sintered alumina • ARTICLE**  
*Composites Science and Technology, Volume 64, Issues 10-11, August 2004, Pages 1551-1563*  
Vincent H. Hammond and Dana M. Elzey  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(504 K\)](#)
7.  **Fabrication and characterization of three-dimensional cellular-matrix composites reinforced with woven carbon fabric • ARTICLE**  
*Composites Science and Technology, Volume 61, Issue 16, December 2001, Pages 2425-2435*  
Yiping Qiu, Wei Xu, Youjiang Wang, Mohammed A. Zikry and Mansour H. Mohamed  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(1089 K\)](#)